Sierra's Avionics Services

Sierra is proud to offer a wide selection of the latest avionics instruments and packages for Citation, King Air, Hawker and other aircraft, including most piston singles & twins. As an authorized dealer for all major avionics manufacturers, we can completely update your existing panel to take advantage of 21st century technology.

Our experienced avionics technicians are highly skilled in installing everything from custom STC avionics suites like our G501SP, to today's GPS, MFD's, TAWS, XM radio, WiFi, and many other aircraft systems. What's more, our in-house machine shop offers sophisticated CNC tools, including a state-of-the-art waterjet cutting system, allowing us to create a superbly finished custom-engineered panel for your new avionics suite.

Need to troubleshoot nagging avionics problems? Classic aircraft have typically experienced multiple rounds of avionics replacements and rewiring over the years, often with incomplete documentation. Not to worry. Sierra's avionics experts have decades of experience in investigating, diagnosing and fixing improperly engineered or documented retrofits. Bring your aircraft to Sierra avionics and our technicians will hunt down and repair those troubling squawks!

GARMIN
AVIDYNE
CHELTON
SANDEL
Sandel Avionics/Simply Brilliant
UNIVERSAL AVIONICS SYSTEMS CORPORATION
Honeywell
Honeywell Bendix/King Avionics
K3 communications Avionics Systems
SHADIN AVIONICS
Flight Display Systems
JP1 JP INSTRUMENTS
MAX • VIZ

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

Garmin G600 Multi-Function Flight Display Suite

Garmin's G600 enhances situational awareness and safety and reduces pilot workload for Citation 500/501SP. The dual-screen G600 works with your avionics stack, pairing both a primary flight display (PFD) and a multi-function (MFD) display in a single 10" wide bezel to provide a fully certified upgrade option for your cockpit. And with software assurance levels required for FAR Part 23 Class 3 aircraft, G600 is the ideal solution.

SVT Comes Standard

A scaled version of Garmin's SVT synthetic vision technology comes pre-installed on the G600. Using sophisticated graphics modeling to create a 3-D topographic landscape from G600's terrain alerting database, SVT provides a "virtual reality" perspective view of ground and water features, obstacles and optional traffic — all shown in relative proximity to your aircraft. SVT clearly enhances your view of primary flight data by giving it a realistic visual frame of reference — especially in solid IFR or nighttime/marginal VFR conditions.

Enhanced Situational Awareness

Augmented G600 with optional Class-B TAWS (Terrain Awareness and Warning System) and radar altimeter (ARINC 429 interface support allows readouts on the PFD) for an extra margin of safety in the air. A trial version of our FliteCharts® approach plates for the U.S. come pre-installed on the G600.

Optional Jeppesen-style ChartView™ instrument approach plates and airport surface charts are available to overlay your aircraft's position on the MFD approach display. FBO and other facility information for most U.S. airports is also available.

Advanced AHRS

In place of gyro instruments, the G600 uses super-reliable GRS 77 Attitude and Heading Reference System (AHRS). Combining inputs from GPS, magnetometer and air data computer, the AHRS provides an accurate digital output and referencing of your aircraft position, rate, vector and acceleration data. It's even able to restart and properly realign itself while the aircraft is moving. With the correct compliance kit, G600 fully supports RVSM on qualified airframes, providing access to previously restricted flight levels in RVSM airspace.

Keep Your Existing Equipment

G600 interfaces with and displays data from a range of equipment, including avionics, radios, navigators and audio panels. You can even use the G600 for cockpit control/display of heading, course and navigation source inputs for autopilots. With the optional GAD 43 adapter, the same AHRS data drives the G600 display to serve as your autopilot's primary attitude reference. The GAD 43e adds even more capabilities, including altitude preselector and vertical speed control, as well as DME distance, synchro ADF, marker beacon lamps and analog altimeter indicators right on the display.

Weather, Traffic and More

Easily combine G600 with a variety of optional sensors and data links. Add digital on-board weather radar functionality with our Doppler-capable GWX 70, as well as optional turbulence detection and ground clutter suppression. The GDL 69 series XM receiver offers weather and NEXRAD coverage for the U.S., as well as SiriusXM Satellite Radio, and the GSR 56 provides global weather data, radar imagery, voice/data connectivity and Iridium satellite ground-based position tracking. Access Traffic Information Service (TIS) alerts on the G600 by adding a GTX 330 Mode S transponder or select from an available TAS or TCAS system. G600 also includes a video input option that allows your MFD to double as an EVS or live-cam video monitor.

Call 1-888-835-9377 today for a custom avionics quote for your aircraft.

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

The G501SP 'Glass Cockpit' Flight Display Suite

The Sierra G501SP retrofit program brings your cockpit into the 21st century with a tightly-integrated "glass panel" upgrade. By combining Garmin's versatile, high-performance G1000-series LCD digital displays with our extensive Citation engineering expertise, Sierra offers you a complete, customized avionics solution, fully STC'd for the Citation 501SP.

It's likely you already have a few Sierra upgrades on your aircraft. If so, you're already acquainted with Sierra's quality engineering and workmanship. The Sierra G501SP program offers yet another way to give your classic aircraft the capabilities of a brand new jet at a fraction of the cost. Trade in your old instruments, choose the options that make sense for your individual needs and let Sierra do the rest. With Garmin's world-class avionics and Sierra's engineering expertise, you can't go wrong.

Integrate Your Cockpit

The G501SP puts a wealth of flight-critical data at your fingertips. Its glass flightdeck presents flight instrumentation, navigation, weather, terrain, traffic and engine data on large-format, high-resolution displays. The simple, intuitive interface makes it easy to learn and navigate.

Customize Your Display

Sierra's PMA-certified machine shop utilizes the latest in sophisticated waterjet cutting technology to custom-machine instrument panels to individual owner requirements. Using this high-precision cutting machine, Sierra's technicians will customize your installation for your unique requirements, functionally blending the G501SP flight deck with your existing instruments. Our CNC machining expertise means a perfect fit for both your original and new avionics components, with virtually no additional finishing or adjustments.

Enjoy Advanced AHRS Architecture

The G501SP replaces traditional mechanical gyroscopic flight instruments with Garmin's ultra reliable GRS77 Attitude and Heading Reference System (AHRS). AHRS provides accurate, digital output and referencing of your aircraft position, rate, vector and acceleration data. It's even able to restart and properly reference itself while your aircraft is moving.

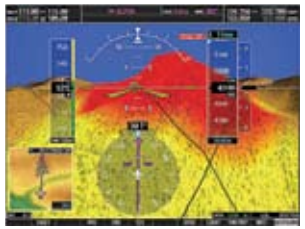
Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

Enhanced Situational Awareness

The sophisticated G501SP flight deck seamlessly integrates built-in terrain and navigation databases, providing a clear, concise picture of where you are and where you're heading. A Jeppesen® database supports onscreen navigation, communication and mapping functions. For safer arrivals and departures, optional ChartView™ – available through Jeppesen's JeppView™ subscription service – lets you overlay your aircraft's position on the electronic approach chart to provide a visual crosscheck. Using information from the built-in terrain and U.S. obstacles databases, the system displays color coding to graphically alert you when proximity conflicts loom ahead. In addition, the G501SP can be augmented with optional Class-B Terrain Awareness and Warning System (TAWS) for an extra margin of safety in the air.

View your position on taxiways with SafeTaxi®, a built-in database of over 650 U.S. airport diagrams. Optional FliteCharts®, an electronic version of the National Aeronautical Chart Office (NACO) U.S. Terminal Procedures Publication, lets you quickly find and view all NACO Departure Procedures (DP), Standard Terminal Arrival Routes (STARs), approach charts and airport diagrams on the MFD.

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.



Sierra G501SP Flight Deck – Optional Upgrades

Though the G501SP's Garmin displays put a wealth of easy-to-comprehend flight-critical data at your fingertips on three large-format, high-resolution displays, even greater capabilities are available. The optional upgrades described here can add the latest in virtual imaging and situational awareness to your flightdeck, increasing your safety and that of your fellow travelers.

Look to the Future. In Virtual 3-D

Garmin SVT™ synthetic vision technology is a superb upgrade to the G501SP suite. Using sophisticated graphics modeling, the system recreates a 3-D "virtual reality" database landscape on the pilot and co-pilot PFDs. Garmin SVT enables you to clearly visualize nearby flight and enroute navigation features – even in solid IFR or nighttime VFR conditions.

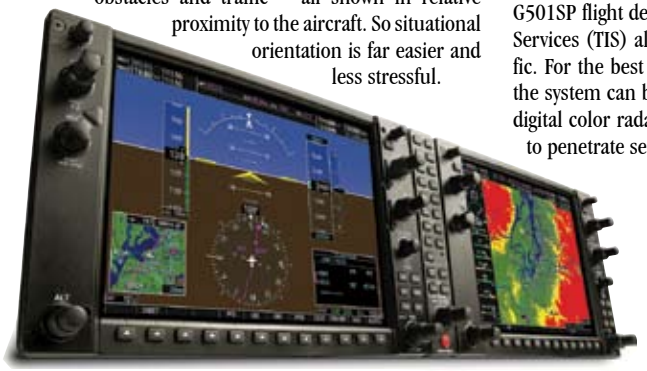
Garmin SVT shows fixed terrain and obstacles, and also works with TCAS/TAS/TIS traffic technologies to depict targets in 3-D perspective, so you can visually gauge how high and how close they are. Plus, the familiar color- and shape-cued TCAS symbology grows larger as it gets nearer – making traffic conflicts easier to see and identify.

Garmin's SVT recreates a visual topographic landscape from the G1000 terrain-alerting database. The resulting virtual reality display offers a supplemental 3-D depiction of ground and water features, airports, obstacles and traffic – all shown in relative proximity to the aircraft. So situational orientation is far easier and less stressful.

When darkness, fog, rain, haze or solid IFR conditions keep you from seeing clearly out the windshield, Garmin's SVT virtual flight reference is like "taking the blinders off." Using sophisticated graphics modeling, SVT recreates a visual topographic landscape from the G1000 system's terrain-alerting database. The resulting virtual reality display offers pilots a supplemental 3-D depiction of ground and water features, airports, obstacles and traffic – all shown in relative proximity to the aircraft. So situational orientation is far easier and less stressful.

Add Weather, Radio and Traffic

With an optional subscription to XM WX Satellite Weather™, you'll have access to up-to-the-minute, high resolution weather for the U.S., right in the cockpit. NEXRAD, METARs, TAFs, Lightning and more and can be laid directly over Jeppesen and topographic map databases. Add a Garmin Mode S transponder, and the G501SP flight deck will also display Traffic Information Services (TIS) alerts that identify surrounding air traffic. For the best in "scan-your-own" weather analysis, the system can be interfaced with Garmin's GWX 68™ digital color radar. At 6.5 kilowatts, it packs the power to penetrate serious weather.



GARMIN G501SP by Sierra

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

Basic G501SP Avionics Suite:

- Dual Garmin GDU 1040, 10.4" Primary Flight Displays with three axis flight dynamics, air speed, altitude, VS, HSI with perspective modes
- Center panel Garmin GDU 1040, 10.4" Multi Function Display
- Dual Garmin GDC 74A Integrated Digital Air Data Computers with constant display of TAS, CAS, Wind Direction, VSI and TAT
- Dual GRS77 Attitude and Heading Reference System (AHARS) units
- Dual Garmin GIA63W, Integrated radio modules with WAAS, IFR approved GPS, VHF navigation with ILS and VHF communication with 16-watt 8.33-kHz transceivers
- Dual GMA 1347 Digital Audio Panel w/Marker Beacon and Intercom
- Dual GTX 33 Integrated Transponders, TIS capable
- Dual Garmin GMU 44 Magnetometers
- GWX 68 Weather Radar
- Dual GA 36 GPS WAAS Antennae
- GAD 42 Interface Adapter, Sierra Autopilot Interface and Configuration Module
- Sierra Custom Glareshield/Annunciator Panel

Select G501SP Optional Upgrades

- Choice of 2", 3" or L3 Trilogy digital "all-in-one" standby instrumentation
- Garmin SVT Synthetic Vision upgrade
- 12" Multifunction display upgrade
- Jeppesen ***ChartView*** upgrade (subscription required)
- GDL 69A upgrade with XM Weather and XM Radio (subscription required)
- Pedestal-mounted GCU 477 Alphanumeric Keypad Interface
- TXP upgrades, including extended squitter and diversity
- Traffic Awareness upgrades include transmit & receive-compatible TAS 820 and TAS 850
- TAWS-B upgrade

SIERRA G501SP Advanced Flight Deck

Description
Standard G501SP Flight Deck — includes brand new custom-cut panel with (3) 10.4" LCD displays, Sierra Glareshield modification, (2) GRS 77 AHARS, (2) GDC 74B Air Data Computers, (2) GTP 59 OAT probes, (2) GIA 63W NAV/COM/ILS/GPS/WAAS units, (2) GTX 33 ES transponders, (2) GMA 1347 audio panels w/ integrated Marker Beacon receiver, (2) GMU 44 triaxial magnetometer, (1) GWX 68 weather radar, (1) GAD 42 interface adapter, document package and necessary wiring and support structures. Existing 3" standby instruments reinstalled in panel.
OPTIONAL UPGRADES: Call for a Customized Quote
Standby Instruments — 2" instruments or L-3 Trilogy all-in-one digital with backup battery
Pedestal Keypad Controller — extended pedestal with GCU 477 remote keypad for PFD & MFD displays.
12" Multifunction Display — upgrade from standard 10.4" display
Transponder Upgrades — Dual ADS-B capability and Mode S. Call for details.
Garmin SVT™ — Synthetic Vision Upgrade
Charts — Flightcharts included in standard G501SP: Chartview by Jeppesen upgrade available.
Terrain — TAWS-B upgrades available.
RVSM
Communications — Iridium voice & data, Wi-Fi, XM weather & radio.
Cabin Entertainment — XM radio, iPod & iPad interfaces, DVD, Blu-Ray and more available.

Please call or email your Sierra representative with your existing equipment list for a formal quotation tailored to your specific aircraft configuration.

Plan your G501SP panel online

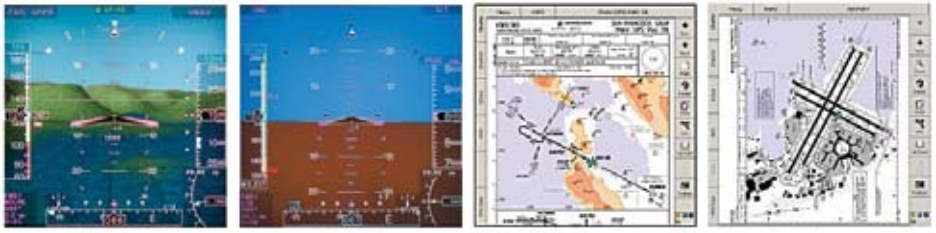
Visit **www.sijet.com** and utilize our free G501SP "Dream Planner" to explore your options. An easy-to-use MS Excel download file gives you all the options and keeps a running total of your custom-created option list.

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

Universal 890R Dual Display System

This advanced, large-format instrument suite is the most capable and most cost-effective solution we've found for bringing your Citation into the 21st century "glass cockpit" era. Shown above in a typical Sierra installation with a dual pilot / single copilot display, the 890R supports a wide array of information interfaces and display capabilities.

Advanced display technology and innovative presentation symbology provide all the information you need in an uncluttered, easy-to-read format that will maximize your situational awareness. High resolution, high contrast displays with an extremely wide range of viewing angles are easily readable in virtually any ambient lighting condition.



Vision-1® PFD Display Charts Airport Diagrams

The PFD displays flight guidance, vertical speed, airspeed, altitude and heading, along with every bug, marker and detail you could desire over the full-screen ADI display. Multiple pilot-selectable display formats are available, including Vision-1, map and HSI displays, along with imagery from a variety of interfaced systems.

With all critical Primary Flight Data displayed on the PFD, the Navigation Display is available for viewing map, HSI, Vision-1, TAWS, checklists and electronic documents. Charts, UniLink® Data/Weather graphics, WSI weather, weather radar and other sources can also be displayed. In addition, a navigation progress data block is displayed in the upper portion of the screen in most ND modes, providing valuable real-time navigational information.

The 890R system is designed to accomodate emerging and future display technologies, offering for example, an additional VGA input for connecting TAWS, Vision-1, onboard video camera sources and more.

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

Sandel SN-4500 Navigation Display (HSI)

The 4" x 4" Sandel SN-4500 MFD/EHSI/EFIS is a superb and affordable upgrade for your Citation cockpit. Similar to the advanced displays found in the newest generation of aircraft, the SN4500 is the ideal replacement for aging electromechanical HSIs. Featuring Sandel's patented bright, 360-degree readable (180 degrees in both horizontal and vertical axes) display, the SN4500 boasts a long-life backlight and unequaled sunlight visibility. It also incorporates Sandel's Smart I/OTM, which automatically accepts input from analog and digital aircraft systems.

The SN4500 4X4 EHSI improves situational awareness by presenting Compass, Map, Flight Plan and safety systems data in a bright, crisp format. FAA-certified as a primary navigation display, the SN4500 can even present overlaid returns from your onboard weather radar system, along with traffic information from TCAS, TCAD and TAS receivers.

Sandel SA-4550 Electronic Attitude Display Indicator (EADI)

The perfect complement to the SN-4500, the 4" x 4" Sandel SN-4550 EADI is an ideal update for aging electromechanical ADI's. Featuring an LED-backlit display, the SA4550 upgrades your panel with bright, easy-to-read attitude information, without requiring changes to your autopilot's certification. With its Smart I/O, the SA4550 accepts input from virtually any gyro source to provide a clear, reliable depiction of the aircraft's attitude in pitch and roll.

The SA-4550 incorporates such standard ADI features as flight director command bars and glideslope/localizer deviation scale, along with a fast/slow indicator and mode annunciations to make flying easier and safer. A selectable single-cue/split-cue display option is also available, and the SA-4550 is designed for plug compatibility with popular Sperry and Collins units.

SIERRA PRIMARY and MULTIFUNCTION FLIGHT DISPLAYS

Description	Applications	Installed Price
Universal 890R Dual Display System — 8.9" diagonal multifunction active matrix LCD displays with multiple ARINC, CSDB, digital and analog input and output ports. Please call for configuration and upgrade options and price quote for your specific aircraft application.	Part 23, Part 25	**from $415,121.00**
Sandel SN-4500 HSI — 4x4 inch MFD/EHSI/EFIS with wide-angle backlit LCD display. Call for upgrade options and installation quote for your aircraft.	Part 23, Part 25	**from $26,650.00**
Sandel SA-4550 ADI — 4x4 inch EADI with wide-angle backlit LCD display. Call for upgrade options and installation quote for your aircraft.	Part 23, Part 25	**from $26,650.00**
Garmin/Sierra G501SP Flight Display Suite — Integrates all primary flight, navigation, communication, terrain, traffic, surveillance, weather, and engine sensor data on Garmin's XGA high-definition LCDs. Call for upgrade options and installation quote for your aircraft. *See pages 48 - 51 for details.*	Citation 501SP only Part 23	**from $299,000.00**

Prices shown are for a typically equipped aircraft and are for reference only. Please call or email your Sierra representative with your existing equipment list for a formal quotation tailored to your specific aircraft configuration.

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

Honeywell Multifunction Radar Display

Our new MFRD combines the display of weather radar, traffic, terrain, and navigation maps and other data into a single 6.242" x 4.815" spacesaving multi-function instrument. And with greater than 200 dots per inch, the Honeywell MFRD is the highest resolution display of its size in the industry.

Honeywell's new MFRD is designed to work with the avionics you have today, and, is so versatile that it is easily updated to work with the avionics of tomorrow. With the coming changes in communication, navigation, surveillance/air traffic management (CNS/ATM), this MFRD prepares your airplane for the new world of free-flight. This unit is tough, reliable and easy to upgrade.

The display combines high-reliability, high-resolution and logical controls.The five hard control keys give you one-touch toggling between the primary functions. The soft key menus provide the ability to input data and quickly update the display with a variety of operator-selected tools. The encoder control knob adjusts the display's backlight brightness for optimal viewing. The encoder is also used to input tilt angle, gain values, and range selection for weather radar. Use the joystick input to easily edit the FMS NAV waypoints to update your course.

Universal MFD-640 Multifunction Display

In today's cockpit environment, panel real estate is scarce and information is plentiful. The Universal Avionics MFD-640 Multi-Function Display offers a convenient, versatile and powerful retrofit solution.

This controller is designed to provide full functionality when replacing your older PRIMUS 300(SL) and 400 weather radar indicators. The MFD-640 can also be used to upgrade the displays for the Honeywell 880/660/440 series and Collins 850 radars.

You'll gain the ability to access a wealth of additional information including our TAWS Terrain Awareness and Warning System displays in map, profile and 3-D views. View Flight Management System data including your flightplan with surrounding navaids, airports and more. Monitor VOR/DME bearing/distance on the 360-degree or arc compass rose. Show surrounding air traffic. You can even view uplinked weather maps or access an onboard video camera. The MFD-640's 6.4 inch diagonal display also features superior sunlight readability, high resolution and contrast, and super-wide viewing angles.

Universal UNS-1Ew Flight Management

The UNS-1Ew is a full-featured WAAS/SBAS flight management system in an integrated package which includes control/display functions, navigation computer and integral GPS/WAAS receiver in a single unit. The 5-inch diagonal high-contrast display offers superb sunlight readability and can display graphics and video from UniLink, TAWS, Vision-1 and many other sources.

Line select and function keys and a full alphanumeric keyboard provide easy data selection and entry, making complex flight maneuvers easy to manage with just a few keystrokes.

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

Avidyne EX5000 MFD

The EX5000 is the most advanced, yet easy-to-use large-format MFD available for the Citation. Special-use and class airspaces are color-keyed for added clarity, and can be displayed at the same time as NEXRAD or weather radar data for a more complete picture. Full overlay capability allows you to add or remove traffic, lightning, and radar, with 180-degree forward view and 360-degree center view maps.

The EX5000's "map-centric" operation displays a moving map of your flight plan – along with radar, datalink weather and special-use airspace. Plus traffic, terrain, lightning and more, without ever leaving the map page. It's the only large-format display that provides the complete picture and it's the easiest to use. And Sierra's price even includes the Bendix/King RDR 2000 interface.

Above: EX5000

Right: EX600

Avidyne EX 500/600 MFDs

For EX5000 functionality in a more compact package, the EX500 and EX600 provide the same "map-centric" approach in a unit designed to fit in a standard 6.25-inch 'mark-width' radio stack. The EX500 provides a high-resolution 5.5" display, while the EX600 features a full 640x480 VGA 5.8" display and adds MLX770/MLX780 2-way datalink support for Avidyne/WSI weather and text messaging capability.

Garmin GMX 200 Multifunction Displays

Garmin's GMX 200 boasts a large 6.5" display and is available in Standard, Traffic, Radar and Radar/Traffic versions for virtually any panel configuration. The GMX 200 can also be interfaced with Garmin's GWX 68™, a new color digital weather radar with 6.5 KW of transmit power. When connected to the GWX 68™, the Radar/Traffic model displays real-time weather ahead of the aircraft supporting both horizontal and vertical perspectives. The GMX 200 can be easily interfaced to TAWS, TIS, TCAS-1, TAS and more. Please call for a detailed quote.

SIERRA MFD / FMS Upgrades

Description	Applications	Installed Price
Honeywell Multifunction Radar Display — 6.3" diag. full color display	Part 23, Part 25	call for quote
Universal MFD-640 Multi-Function Display — 6.4" diag. full color display		call for quote
Universal UNS-1Ew Flight Management System — 5" diag. color display		call for quote
Avidyne EX 5000 Multifunction Display —10.4" diag. full color display	Part 23	call for quote
Avidyne EX 500 Multifunction Display — 5.5" diag. full color display		call for quote
Avidyne EX 600 Multifunction Display — 5.8" diag. full color VGA display		call for quote
Garmin GMX 200 STD Multifunction Display — 6.5" diag. full color display		call for quote

Prices shown are for a typically equipped aircraft and are for reference only. Please call or email your Sierra representative with your existing equipment list for a formal quotation tailored to your specific aircraft configuration.

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

Garmin GTN 750

The new GTN 750 is an all-in-one GPS/Nav/Comm solution with built-in SBAS/WAAS navigation capabilities. Approved to fly LPV "glidepath" approaches into thousands of airports without an ILS.

With the GTN 750's revolutionary new touchscreen interface, you're rarely more than two taps away from all primary functions. Pan across the map screen by simply swiping your finger across the 6.9-in. diagonal high-resolution TFT display. Or enter waypoint data with the full onscreen keypad. It's even designed with raised grips in the bezel and a shelf across the lower edge of the display that serve as gripping points in turbulent flight conditions. Concentric knobs are also available for traditional data input.

With a wealth of multi-function display capabilities, the GTN 750 brings enhanced situational awareness to your cockpit. With high-resolution terrain mapping – including topography features, cities, airports, terminal areas, SUAs and more – and optional Class B TAWS alerting, you'll find your way around the airspace safely and with ease. And the GTN 750 features a front-loading SD™ card reader, so you can easily update your databases. PilotPak™ database bundles are now available on a single aircraft basis, saving you money and simplifying updates.

Garmin GTN 650

For pilots who want a fully integrated solution in a small, 2.64-in.-tall package, the GTN 650 is the perfect choice. The GTN 650 is a space-saving GPS/Nav/Comm with built-in SBAS/WAAS navigation capabilities. Utilizing the same intuitive touchscreen interface as the GTN 750, it is fully approved for LPV "glidepath" approaches into thousands of airports without ILS.

The GTN family makes it easier than ever to get where you're going. Graphical flight planning capabilities allow you to edit your entire route on the map screen and easily enter new waypoints or modify existing ones. The system even lets you load Victor and jet airways. A handy "rubber band" feature lets you grab any leg of your flight plan route and move it to accommodate a deviation or ATC amendment to your flight plan.

A fully certified, 2,280-channel VHF communications transceiver provides a standard 10 W (or optional 16 W) of power output. Couple the system with a GDL™ 69 series datalink receiver and XM® subscriptions, you can overlay NEXRAD radar right onto your moving map display and receive satellite music. Or add a Garmin traffic system and pinpoint other aircraft in your vicinity. The system can even control the GTX™ 32/33 remote transponder, which could save you valuable panel space.

Like its "big brother," the GTN 650 also incorporates a front-loading SD™ card reader, so you can easily update your databases.

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

Garmin GTN Series Transponder & Audio Upgrades

Garmin upgrades such as GTX 33-series transponders and GMA 35 remote audio systems are the perfect complement to the exceptional capabilities of Garmin's GTN series touchscreen units. Make the most of your avionics upgrade and minimize your downtime by including the best upgrade options for your mission requirements.

GTX 33, GTX 33D (ES) Transponders

With the GTX 33 remote-mounted Mode S digital transponder, you'll see the same radar traffic as your ATC controller. This IFR-certified unit features traffic datalink capability and meets the European mandate for Mode S level 2 surveillance. The all solid-state design of the GTX 33 reduces power consumption and heat emissions, while its transmitter delivers up to 250 watts power output. Other highlights include remote ident and auto standby, Traffic Information Services (TIS) interface, and altitude monitor with voice alerts.

Leading the Way with ADS-B

Extended Squitter (ES) versions of the GTX 33 provide an affordable pathway to ADS-B compliance for the FAA's proposed Next Generation airspace system. Using precise GPS-referenced positioning information, the ES technology automatically transmits more accurate and useful traffic surveillance data — including aircraft flight ID, position, altitude, velocity, climb/descent, and heading. (Traditional Mode S and Mode C transponders broadcast only altitude, requiring ground-based radar to correlate and ID aircraft position.)

Enhanced Traffic Surveillance and More

Certified to TSO-C166a standards, the GTX 33 ES improves upon the existing transponder query system while working seamlessly with existing ATC protocols. The ADS-B reports provide ground controllers with faster updates than traditional radar, and simultaneously broadcasts this information to TAS or TCAS equipped pilots, enabling them to essentially see the same traffic that ATC sees on the ground. With everyone in the ADS-B loop watching and reacting to the same flight trajectories, safe separation is far easier to maintain.

All the standard GTX 33 transponder features are retained in the ES version. An antenna diversity option is available with GTX 33D versions, providing for improved air-to-air surveillance of TCAS-equipped aircraft flying above you. The traffic data enabled by the remote GTX 33 system can be displayed graphically on Garmin's integrated GPS/Comm/Nav systems that provide built-in transponder code selection.

GMA 35 Remote Audio Processor

Designed for the GTN 750 series touchscreen navigators, the GMA 35 remote audio processor features next-generation capabilities like advanced auto squelch, record/playback functionality and much more. Just touch the onscreen "Audio Panel" or "Intercom" button on your GTN 750/650 to access the audio controls.

The GMA 35's digital processing is as intelligent as it is intuitive. The GTN 750 series displays who's MIC is on and off and offers independent volume control for the pilot, copilot and passengers. The GMA 35 features 2 dedicated stereo entertainment audio inputs, so passengers can listen to XM® satellite music or other entertainment sources while you keep your headset tuned to radio communications.

SIERRA NAV / COM / GPS Upgrades

Description	Applications	Installed Price
Garmin GTN 750 GPS/NAV/COM — 6.9" diag. full color display - std. 10 watt	Part 23, Part 25	call for quote
Garmin GTN 750 GPS/NAV/COM — 4.9" diag. full color display - opt. 16 watt		call for quote
Garmin GTN 650 GPS/NAV/COM — 4.9" diag. full color display - std. 10 watt		call for quote
Garmin GTN 650 GPS/NAV/COM — 4.9" diag. full color display - opt. 16 watt		call for quote
GTX33 System remote mount with installation kit and pilot's guide		call for quote
GTX33 w/ ES System remote mount with installation kit and pilot's guide		call for quote
GTX 33D System remote mount w/diversity and installation kit and pilot's guide		call for quote
GTX 33D w/ES System remote mount with installation kit and pilot's guide		call for quote
GMA 35 Remote Digital Audio Processor		call for quote

Prices shown are for a typically equipped aircraft and are for reference only. Please call or email your Sierra representative with your existing equipment list for a formal quotation tailored to your specific aircraft configuration.

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

Garmin GTX 327, GTX 330

The panel-mounted GTX 327 is a TSO-certified Mode C digital transponder, featuring a solid state design, with no warm up time, lower power consumption and much lower heat emissions. It provides 200 watts nominal power output and has an easy-to-read DSTN liquid crystal display which reverses the numbers out of black for optimal viewing.

The GTX 330 Mode S digital transponder increases power output to 250 watts and includes remote ident and auto standby, altitude monitor with voice alerts, TIS traffic interface, and an easy-to-read LCD display. The GTX 330D adds an antenna diversity option for improved air-to-air surveillance of TCAS-equipped aircraft flying above you.

SIERRA Transponder Upgrades

Description	Applications	Installed Price
Garmin GTX 327 Transponder — 200 watt Mode C, LCD display	Part 23, Part 25	**call for quote**
Garmin GTX 330 Transponder — 250 watt Mode C, LCD display		**call for quote**
Garmin GTX 330D Transponder — 250 watt Mode C, Antenna Diversity		**call for quote**

Prices shown are for a typically equipped aircraft and are for reference only. Please call or email your Sierra representative with your existing equipment list for a formal quotation tailored to your specific aircraft configuration.

CMS400 Digital Checklist

The CMS- 400 adds safety and convenience to your flight operations by managing and presenting your checklist just as another crew member. The CMS-400 uses sophisticated microprocessors and digitized human voice to read your customized checklist to you. Each item is spoken clearly and quickly in a challenge-and-response format. The CMS-400 speaks only when you want it to speak. Press the remotely located "advance" button and the computer reads another item.

Description	Kit Price	Installed Price
CMS400 Digital Voice Checklist by Heads Up Technologies	n/a	**call for quote**

SIERRACOM
COMPUTERIZED MAINTENANCE TRACKING
The most user-friendly, cost-effective way to track your aircraft maintenance. See page 84 - 87 for more information.

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

Above: Garmin GTS 800
Center: L3 Skywatch HP Left: Avidyne TAS-620

Garmin GTS 800

This affordable 40-watt TAS traffic alerting system features Garmin's exclusive CLEAR CAS™ technology with up to 12 miles of active surveillance and ADS-B "In" capability. It offers power, range and performance comparable to systems costing far more. And like all Garmin GTS units, it will operate to 55,000 feet.

GTS 800 tracks up to 60 traffic targets simultaneously – and depicts up to 30 intruder threats at a time, depending on the display being utilized. And instead of the generic "Traffic, traffic" voice alerts of earlier-generation systems, the GTS 800's exclusive CLEAR CAS technology provides for expanded audio messaging in an ATC-like verbal format.

L3 Skywatch

SkyWatch reigns as the best selling GA traffic system for over 10 years. Whether displaying on a dedicated display or on your MFD, SkyWatch has you covered. With an operating altitude of 55,000 ft and a vertical scan range of /- 9,900 ft, Skywtach tracks 10 targets out 11 nmi*, and updates every second.

The Skywatch HP extends the capabilities of Skywatch with greater display and surveillance range, increased closure rates and EFIS interface compatibility. It tracks 35 intruder aircraft with a 35-mile surveillance & display range and has additional ARINC 429 EFIS output.

Avidyne TAS-620

Avidyne's dual-antenna TAS620 System detects other aircraft sooner and more accurately, avoiding surprises due to the shadowing effects of single-antenna systems. Using top and bottom directional antennas, the TAS-620 actively interrogates other aircraft, providing timely audible and visual alerts with the precise location of conflicting traffic. The TAS620 offers an expanded 21nm range, a 9,900-foot vertical separation maximum and a 55,000-foot service ceiling.

The dual-antenna TAS-620 can provide traffic advisories on the displays of over 15 manufacturers, including Avidyne's Entegra, MHD and EX-Series MFDs, Garmin G1000 and 400/500-Series, Honeywell KMD250/550/850, Sandel, Chelton, and many more.

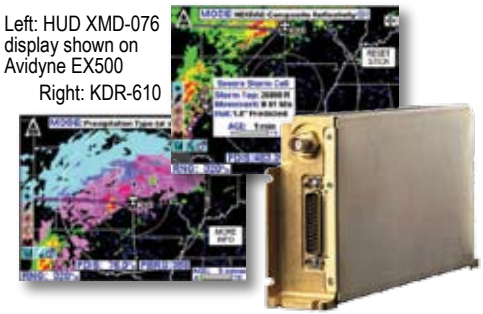
SIERRA TRAFFIC ALERT SYSTEMS

Description	Applications	Installed Price
Garmin GTS 800 TAS — 40 watt system with CLEAR CAS voice alert	Part 23, Part 25	**call for quote**
L3 Skywatch — Traffic Alert System, 10 targets/11 nm range		**call for quote**
L3 Skywatch HP — Traffic Alert System, 35 targets/35 nm range		**call for quote**
L3 Skywatch HP TCAS1 — TAS, 35 targets/35 nm range + TCAS1		**call for quote**
Avidyne TAS-620 — dual-antenna TAS, 21 nm range, 55,000 ft ceiling		**call for quote**
Honeywell CAS 66A — compact TAS, up to 30 targets / 40 nm range. Call for details, optional upgrades and an individual quote for your aircraft.		**call for quote**
Honeywell CAS 67A — enhanced TCAS II system with EFIS interfaces. Call for details, optional upgrades and an individual quote for your aircraft.	Part 25 only	**call for quote**

Prices shown are for a typically equipped aircraft and are for reference only. Please call or email your Sierra representative with your existing equipment list for a formal quotation tailored to your specific aircraft configuration.

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

Far Left: GDL 69 unit



Left: HUD XMD-076 display shown on Avidyne EX500

Right: KDR-610

Garmin XM Weather system

The Garmin GDL 69 is a remote datalink receiver that delivers XM WX Satellite Weather™ to a variety of Garmin navigation systems. For cockpit audio entertainment, the sound-enabled GDL 69A also provides XM Satellite Radio.

GDL 69 helps you make informed, safer decisions based on the weather. With a subscription to XM WX Satellite Weather, GDL 69 brings continuous, detailed weather information to the 400 and 500 series navigators, G1000®, G900X™, G600™ and GMX 200™.

Data is provided through XM Satellite Radio's XM WX Weather Service using location-specific WxWorx information. XM's two powerful S-band geostationary satellites, positioned over the east and west coasts, deliver seamless, near real-time coverage at any altitude across the continental United States. The weather suite's high resolution color graphics provide detailed NEXRAD and METARs data, as well as current reports on precipitation, lightning, winds-aloft, echo tops, TFRs and more.

With an additional monthly service fee, GDL 69A delivers XM Satellite Radio to your aircraft. GDL 69A interfaces with your cockpit audio panel control to play through the aircraft's audio system.

Avidyne XM Weather system

The XMD076 from Heads Up Technologies is a capable Avidyne-compatible receiver for XM Satellite WX weather data. It supplies visual display information to a variety of compatible displays for viewing, such as the Avidyne EX500 display shown above. Please call your Sierra representative for more information and a listing of compatible displays.

Honeywell XM Weather system

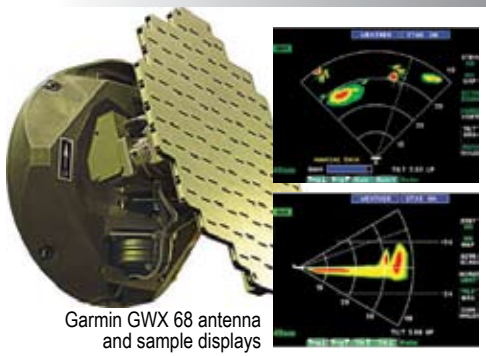
Honeywell's KDR 610 Data Link Weather Receiver brings high speed textual and graphical weather to your cockpit. This new receiver interfaces to the Bendix/King KMD 250, KMD 550 and KMD 850 Multi-Function Displays (MFD). Available weather products include Composite NEXRAD radar, Graphical and Textual METARs, AIRMETS and SIGMETS. The active flight plan can be overlaid on all graphical weather images and the system allows you to pan, zoom and interrogate areas of interest. System comprises the KDR 610 receiver, a cockpit display and an antenna (available separately).

SIERRA SATELLITE WEATHER SYSTEMS

Description	Applications	Installed Price
Garmin GDL 69	Part 23, Part 25	**call for quote**
Garmin GDL 69A with XM Satellite Radio (subscription required)	Part 23, Part 25	**call for quote**
Heads Up Display XMD076 Satellite Weather Receiver	Part 23, Part 25	**call for quote**
Bendix/King KDR 610 Data Link Weather Receiver	Part 23, Part 25	**call for quote**

Please call or email your Sierra representative with your existing equipment list for a formal quotation tailored to your specific aircraft configuration.
*Substantial savings avialable when XM Weather gear is installed along with other avionics upgrades and/or maintenance procedures. Ask your Sierra representative for details.

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.



Garmin GWX 68 antenna and sample displays

Garmin GWX 68 Radar

GWX 68 is a compact, 6.5 kW watt all-in-one antenna/receiver/transmitter that provides 4-color storm cell tracking to the GMX 200, G600, G900X or G1000. The system's selectable scan (up to 90 degrees) and outstanding pulse range let you hone in on target areas with even greater precision. Full pitch-and-roll stabilization is available for smooth weather tracking during climbs or turns. And with GWX 68's side-view vertical scanning function, you can profile storm tops, gradients and cell buildup activity at various altitudes.

Garmin GMA 340 Audio

Digital TSO'd audio panel features LED-lit buttons for audio selection of nav and comm audio – as well as split comm capability for pilot and co-pilot. Split comm allows the pilot to transmit/receive on Comm 1 and the co-pilot to transmit/receive on Comm 2.

Davtron 811B Digital Clock & Flight Time Meter

Factory-set and battery-backed, the Clock, the Flight Time, and the Elapsed Time functions will work approximately two years with no additional power. Six-digit display on all three functions. Time function with 12- or 24-hour clock. Flight time records and Elapsed time meter. 1 year warranty.

Bendix/King RDR 2000 and 2100 Digital Weather Radar

Bendix/King's RDR 2000 and RDR 2100 Digital Weather Radar Systems (not pictured) utilize the latest digital weather avoidance technology, including a more complete picture of the storm with the Bendix/King Vertical Profile® capability. Using Sensitivity Time Logic, the system correlates target distance with intensity, and its attenuation compensation reduces shadowing.

The RDR 2100 adds 50% more power (6 kW), 120º scan and a 320 nm range. You can see over twice the area of a 100º/240 nm scan. Additional RDR 2100 features include:

- Auto range limiting – alerts you to areas that radar energy cannot penetrate.
- Sector scans – allows you to reduce the scan time to concentrate on the area you most want to review.
- Auto tilt - automatically manages tilt angle as the aircraft climbs or descends.

SIERRA RADAR and AVIONICS UPGRADES

Description	Applications	Installed Price
Bendix/King RDR 2000 Digital Weather Radar — 4 kW output	Part 23, Part 25	**call for quote**
Bendix/King RDR 2100 Digital Weather Radar — 6 kW output	Part 23, Part 25	**call for quote**
Garmin GWX 68 Weather Radar — 6.5 kW output power, interfaces to Garmin MFDs	Part 23	**call for quote**
Garmin GMA 340 Audio Panel — Split comm, 6-place VOX intercom	Part 23	**call for quote**
Davtron 811B Digital Clock / Flight Time / Elapsed Time Meter	Part 23, Part 25	**call for quote**

Prices shown are for a typically equipped aircraft and are for reference only. Please call or email your Sierra representative with your existing equipment list for a formal quotation tailored to your specific aircraft configuration.

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

Garmin G500 Multi-Function Flight Display Suite

Designed specifically for FAR Part 23 Class 1/Class 2 aircraft (singles and twins less than 6,000 lbs.), G500 is an affordable, dual-screen electronic flight display that works with your avionics stack to provide a fully certified "glass cockpit" retrofit option

Replaces your "six-pack" with twin screens

The G500's 10-inch wide bezel fits neatly into the panel space vacated by your standard six-pack of mechanical 3-inch flight instruments. (The existing airspeed indicator, artificial horizon and altimeter can be relocated to serve as standby instrumentation.)

Dual side-by-side 6.5-inch LCDs put both Primary Flight Display (PFD) and Multifunction Display (MFD) capabilities directly in your field of view. You'll see real-time True Airspeed calculations and selectable Winds Aloft data – as well as aircraft ground speed, GPS active waypoint, distance-to-waypoint, desired/actual track, and more.

On the left-hand side, the PFD integrates primary situational information regarding your aircraft's position, speed, attitude, vertical rate, altitude and flight progress.

It's all about situational awareness

The right-hand side MFD provides detailed moving-map graphics of your aircraft's current position in relation to ground features, chart data, navaids, flight plan routings and more. Initial Garmin FliteCharts® and SafeTaxi® come pre-installed (the charts will disable when the data is over 6 months out-of-date). And built-in terrain and U.S. obstacles databases provide color-coding and other visual cues to graphically alert you when proximity conflicts loom ahead. G500 operation is simple – with familiar rotary knob for data entry, soft-keys for mode selection, front-loading SD card slot for additional data and updates, plus an easy-to-navigate G1000-like graphical user interface.

Experience the AHRS advantage

In place of sensitive gyro instruments, the G500 uses Garmin's super-reliable GRS 77 Attitude and Heading Reference System (AHRS). Combining inputs from GPS, magnetometer and air data computer, the Garmin AHRS provides an accurate digital referencing of your aircraft's dynamic orientation in space. Also, unlike some competitive attitude/heading sensors, it's even able to restart and properly realign itself while the aircraft is moving.

Synch up with your autopilot

Garmin's G500 is a perfect match for the S-TEC 55X Autopilot, utilizing AHRS to provide attitude information to the autopilot. Instead of traditional gyro-mechanical ADI output, far more reliable AHRS data is used to provide the attitude, heading, yaw input, baro correction, and alerting cues to the autopilot. This eliminates the need to keep the costly-to-maintain gyro ADI as an autopilot reference for the G500 glass cockpit.

Add weather, traffic and more

Better-informed weather and traffic decisions can be yours with the GDL 69/69A series XM receiver. It offers up-to-the-moment weather data and NEXRAD coverage for the U.S. and much of Canada, via XM Satellite Radio datalink (XM subscription required). The optional GDL 69A lets you enjoy over 170 channels of inflight digital audio programming with a subscription to XM Radio. And for help in watching nearby traffic, you can access Traffic Information Service (TIS) alerts on your G600 with the GTX 330 Mode S transponder.

Call 1-888-835-9377 today for a custom avionics quote for your aircraft.

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

Above: Garmin GMA 347 Audio Panel
Right: S-TEC Fifty-Five X Autopilot System

Garmin GMA 347 Audio

The GMA 347 audio panel offers the latest in digital features to streamline cockpit management and improve communication, including a digital voice recorder, automatic squelch and full-duplex telephone interface.

Operate with Ease

The GMA 347 features LED-illuminated button controls for audio selection of nav and com audio — as well as split comm capability for pilot and co-pilot. Split comm allows the pilot to transmit/receive on Comm 1 and the co-pilot to transmit/receive on Comm 2.

Enjoy A Host of Features

The GMA 347 provides MASQ processing, reducing ambient noise from the avionics inputs, and it has special cabin noise filtering circuitry to enhance cockpit communications. Select speakers to monitor the aircraft radios or make PA announcements. Also includes comm transmit indication, three-light Marker Beacon receiver/indicator and SmartMute audio muting.

Never Miss a Message

The GMA 347's digital voice recorder continuously captures the last two and one-half minutes of audio switched through the panel. So if you ever miss an assigned frequency or part of a clearance, simply press the "Play" button to recall the message for review.

Filter Static and Interference

The GMA 347's automatic squelch option filters out radio static and interference. Manual squelch adjustment is available for faint, far-off audio signals.

Make Private Phone Calls

The GMA 347 even includes a full-duplex telephone interface with intercom isolation and disable capability. This feature allows private telephone calls by the pilot or copilot, or multi-party calls with crew and/or passengers. The GMA 347 also comes with three more unmuted, unswitched inputs with individual volume control for additional audio capabilities.

S-TEC 55X Autopilot

The S-TEC 55X is a high-performance, two-axis (roll & pitch) autopilot in an avionics stackmounted case, containing the mode selector/programmer, annunciator, roll & pitch computers, and servo amplifiers in a single unit. S-TEC 55X features include:

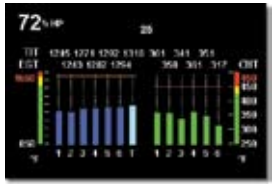
1. **HDG (heading) mode & heading preselect and hold.** Autopilot operates in heading mode to automatically intercept and track selected course or localizer; at which point HDG extinguishes.
2. **Control wheel steering (CWS)**. Hand-fly the aircraft and then let the autopilot takeover to hold the existing turn rate and vertical speed.
3. **NAV mode (coupled navigation).** Automatically intercepts and tracks enroute NAV signals with 3-level gain automatic selection.
4. **GPSS (GPS Steering).** Utilizes direct roll steering commands for accurate, hands-off GPS navigation.
5. **TRIM and up/down arrows.**
6. **Pitch Mode.**
7. **Dedicated Mode selector buttons.**
8. **VS knob.** Dials digital vertical speed in 100' increments.

Please call or visit our website for more details.

Call 1-888-835-9377 today for a custom avionics quote for your aircraft.

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

J. P. Instruments EDM 930 Digital Engine Display



You can think of your EDM-930 as your personal flight engineer. Always there, working in the background, constantly watching over your engine while you concentrate on flying the aircraft. The EDM 930 collects data four times per second and displays it for you in a useful way. You can use the EDM 930 to monitor engine temperatures and voltages, adjust the fuel/air mixture, and diagnose engine malfunctions.

Easy, Intuitive Displays

The display screen is arranged into three sections. The top left is the RPM and MAP section. The bottom left is the Scanner® section. And the right side is the Bar Graphs section.

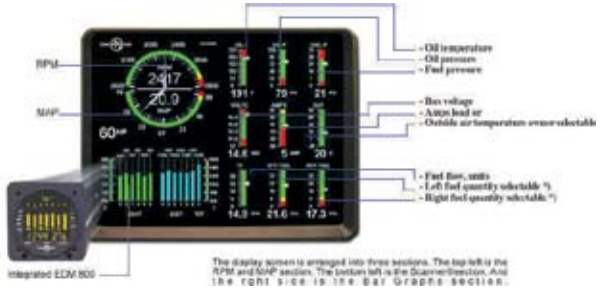
The upper semicircular bar graph shows the RPM (Revolutions per Minute) and the lower semicircular bar graph shows the MAP (Manifold Pressure). These are shown both graphically and digitally. Power settings entering red line are displayed by flashing the ALERT icon and flashing message on the bottom left scanner section of the screen. Percent horsepower is displayed digitally underneath the MAP arc.

The Bar Graph section contains nine dedicated 12 segment bar graphs with digital display. The default displays are (left to right, top to bottom):

- Oil temperature
- Oil pressure
- Fuel pressure
- Bus voltage
- Amps load or charge/discharge
- Outside air temperature (or owner selectable)
- Fuel flow, units per hour
- Left fuel quantity (or owner selectable)
- Right fuel quantity (or owner selectable)

Leaning is accomplished quickly and automatically using the LeanFind™ procedure. With the EDM it is now possible to have substantially more diagnostic information available to you in a timely and usable manner.

With the EDM-930 acting as a flight engineer, you'll enjoy improved fuel economy, reduced maintenance costs, and extended engine life. JPI is a leader in precision engine performance monitoring and their expertise is built into the EDM-930. Patented technology provides the alarms, displays, and sampling algorithms that give you hands-free, must-know information.


RPM
MAP
Oil temperature
Oil pressure
Fuel pressure
Bus voltage
Amps load or
Outside air temperature owner-selectable
Fuel flow, units
Left fuel quantity selectable *)
Right fuel quantity selectable *)
Integrated EDM 800
The display screen is arranged into three sections. The top left is the RPM and MAP section. The bottom left is the Scanner®section. And the right side is the Bar Graphs section.

Call 1-888-835-9377 today for a custom avionics quote for your aircraft.

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

Sierra's Glareshield - Annunciator Panel Modification

Do you want to take advantage of the latest touch-screen avionics but just don't have the panel space? Gain additional utility from your Citation's glareshield and add space for upgraded avionics. Sierra's attractive and functional Glareshield/Annunciator Panel modification not only frees up valuable panel real estate, but also improves situational awareness by putting vital annunciator information right in your line of sight. We utilize your existing glareshield for a perfect fit, modifying it to integrate annunciator lights and associated switches and all necessary wiring. Plus, our in-house waterjet machining technology can create perfect-fit replacement segments for your panel. The glareshield modification includes black Ultratech covering — other covering options are available to match your existing interior — call us today for details.

Customized Throttle Knobs

Lightweight machined aluminum knobs are a flashy and functional addition to your cockpit. Engraved with Stallion, Super II or Super S-II logo, they are available in a variety of vivid anodized color finishes. They can also be customized with your aircraft registration number or company logo. Sold as a pair. Please call today for more details.

SIERRA Glareshield - Annunciator Panel Upgrade	OTC Price*	Installed Price
Citation 500, 501, 550, 551, S550 models - includes black Ultratech covering.	$7,290.00	$8,900.00

*Over-the-counter price is applicable for customer supplied glareshields. Shipping not included. Customer must have signed work agreement before shipping glareshield to Sierra. Please call your Sierra representative for details.

Sierra Custom Throttle Knobs	Sierra's Price
Set of two knobs - please specify color and logo when ordering. *For non-T/R equipped aircraft only.*	$800.00

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

Avionics Upgrades

MAX • VIZ

NEW! Max-Viz EVS-1500 Enhanced Vision System

Night view out cockpit window

Max-Viz Display View

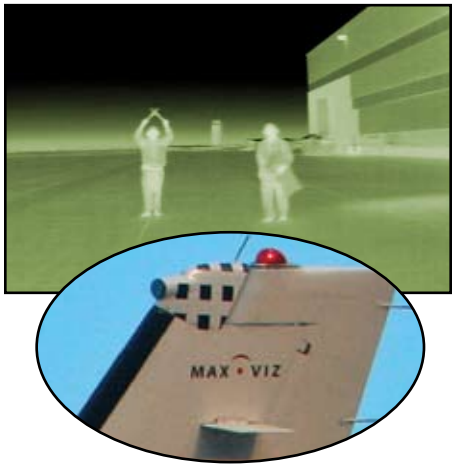
The EVS-1500 is the world's smallest and lightest Enhanced Vision System. It enables pilots to "see through" conditions of poor visibility such as haze, smoke, snow, rain, and the darkness of night.

Selectable dual field of view offers a clear 53° x 40° or 30° x 22.5° view with optical zoom to maintain full resolution. The EVS-1000 system dramatically increases the pilot's situational awareness, resulting in enhanced safety. The EVS system enables pilots to:

- See and Avoid Runway/Taxiway Incursions.
- Instant awareness of airport surface traffic while on approach
- Unambiguous runway identification on approach and takeoff
- Clearly see taxiway edges and signs
- See and avoid parking ramp clutter and personnel
- Augment TAWS display with clear visual picture of terrain.
- See and avoid nighttime cloud buildups for a smoother ride
- Avoid inadvertent flight into IMC
- Avoid CFIT
- Clearly see through Smoke and haze
- Fly at Night like it's a VFR Day

These images are enhanced, relayed and displayed on any video-capable display system in the cockpit, including the Garmin G501SP Multi-Function Display.

The easily-installed EVS-1500 system includes a tail-mounted infrared sensor, image-processing unit, compact flat-panel LCD cockpit display and all necessary cables. FAA-certified for a wide variety of business aircraft, including all Cessna Citation models.



MAX-VIZ ENHANCED VISION SYSTEMS

Description	Kit Price	Installed Price
Max-Viz EVS-1500 System — includes tail-mounted EVS-1500 sensor, signal output to existing multi-function display, image-processing unit and all necessary cabling. Optional dedicated flip-down monitor available - call for details.	**Call for Price**	**Call for Price**
Max-Viz EVS-1000 Demo System — includes tail-mounted EVS-1000 sensor, image-processing unit and all necessary cabling. Limited-time offer - only a few units remaining at this price.	~~**list $74,590.00**~~ **now $37,475.00**	~~**was $80,490.00**~~ **now $43,375.00**

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.

SI440 Sierra/Artex 406 MHz ELT Kit

Early in 2009, U. S. emergency distress satellites ceased monitoring the older 121.5 MHz emergency frequency band in favor of the more accurate 406 MHz standard. Although 406 MHz ELT's are, as of this writing, not yet legally required in the United States, many countries, including Canada, Mexico and the European Union are implementing a 406 MHz standard.

The SI440 kit allows Artex C406 (406 MHz) Emergency Locator Transmitter installation on Cessna Citation Models 500, 501, 550, 551, S550 and 560 (excluding XL). This Sierra Supplemental Type Certificate (STC ST09718AC) provides a cost-effective solution for updating Citation emergency transmitters to current standards.

In the event of a downed aircraft, the 406 MHz ELT broadcasts a distress call with aircraft identifier and GPS location data to orbiting COSPAS/SARSAT satellites. The satellites continuously monitor the 406 MHz frequency band - even in remote locations. Older 121.5 / 243 MHz standard frequencies are no longer monitored by satellite.

The Artex C406 provides an integrated ELT to Navigation interface and transmits latitude and longitude position information with an accuracy of 100 meters. The unit operates on 121.5, 243 and 406 MHz frequencies and features a 5-year battery life. Certifications include TSO C126 and ETSO 2C126 and the unit is approved by COSPAS/SARSAT and Transport & Industry Canada.

Sierra/Artex SI440 406 MHz Emergency Locator Transmitter

Description	Kit Price	Installed Price
SI440-100-1 Basic C406 ELT system	**$5,995.00**	**$8,500.00**
SI440-100-2 Extended C406 ELT system: GPS Broadcast with NAV Interface to Flight Director	**$9,495.00**	**$12,000.00**

EROS Crew Oxygen Masks and Accessories

The EROS Classic MC series is the benchmark for integrated cockpit crew protection, providing unmatched smoke and hypoxia protection with secure fitting hypoallergenic seals. Regulator features automatic and manual overpressure and simple no-guess mixture selection. Easy one-handed extraction and inflation in less than two seconds. The efficient, ergonomically designed stowage cups can be easily integrated into the cockpit near the main flight controls for quick accessibility. Installation time: 8 hours.

SIERRA EROS MASKS and ACCESSORIES

Description	Application	Order Number	Kit Price	Installed Price
EROS MC-10 Classic Oxygen Mask	All Citation models	MC-10-15-109	**$7,500.00**	**$8,220.00**
EROS MXP210 anti-scratch polycarbonate goggles (not pictured)		MXP-210-00	**$781.00**	**n/a**
EROS MXP105 lightweight stowage box with fasteners (not pictured)		MXP-105	**$496.00**	**n/a**

Prices subject to change without notice. Product application and pricing may vary based on aircraft specifications and configuration.